

11.  $3a = 21$

$a = 7$

7.  $30 + 70 = 100$

$m\angle MJK = 100$

12.  $2b + 3 = 45$

$2b = 42$

8.  $180 - 100$

$m\angle JML = 80^\circ$

$b = 21$

9.  $m\angle JKL = 80^\circ$

10.  $m\angle KJL = 30^\circ$

Use  $\square JKLM$  to find each measure or value if  $JK = 2b + 3$  and  $JM = 3a$ .

7.  $m\angle MJK$

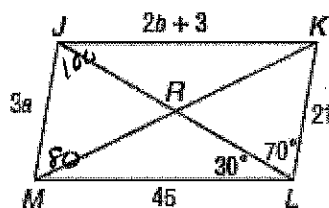
8.  $m\angle JML$

9.  $m\angle JKL$

10.  $m\angle KJL$

11.  $a$

12.  $b$



Complete each statement about  $\square ABCD$ .

Justify your answer.

16.  $\angle DAB \cong ?$   $\angle DCB$

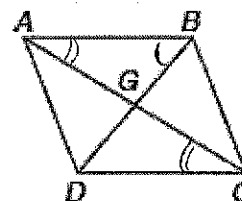
17.  $\angle ABD \cong ?$   $\angle BDC$

18.  $\overline{AB} \parallel ?$   $\overline{CD}$

19.  $\overline{BG} \cong ?$   $\overline{DG}$

20.  $\triangle ABD \cong ?$   $\triangle CDB$

21.  $\angle ACD \cong ?$   $\angle BAC$



ALGEBRA Use  $\square MNPR$  to find each measure or value.

22.  $m\angle MNP$

23.  $m\angle NRP$

24.  $m\angle RNP$

25.  $m\angle RMN$

26.  $m\angle MQN$

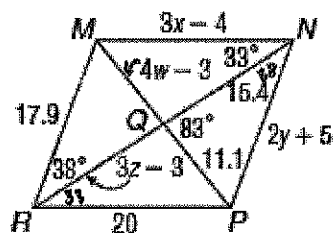
27.  $m\angle MQR$

28.  $x$

29.  $y$

30.  $w$

31.  $z$



22.  $m\angle MNP = 33 + 38$   
 $71^\circ$

27.  $m\angle MQR = 83^\circ$

23.  $m\angle NRP = 33^\circ$

28.  $3x - 4 = 20$

$3x = 24$

$x = 8$

24.  $m\angle RNP = 38^\circ$

25.  $m\angle RMN = 109^\circ$   
 $180 - 71$

29.  $2y + 5 = 17.9$   
 $2y = 12.9$

$y = 6.45$

26.  $m\angle MQN = 97^\circ$   
 $180 - 83$

30.  $4w - 3 = 11.1$

$4w = 14.1$

$w = 3.525$

31.  $3z - 3 = 15.4$

$18.4$

$z = 6.13$